

Bibliography

61-1 Chemical Identity

MRID	Citation Reference
132028	American Cyanamid Co. (1983) Product Chemistry: (AC 243,997 and Arsenal Herbicide). (Compilation; unpublished study received Oct 6, 1983 under 241-273; CDL:251500-A)
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47382401	Baker, S. (2008) Product Chemistry Data for Prep-It: (LI 6242-12). Project Number: 08/989/01. Unpublished study prepared by Loveland Products, Inc. 15 p.
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43682701	Cahoy, R. (1995) Product Identity and Composition of EH 1135 PGR. Unpublished study prepared by PBI/Gordon Corp. 8 p.
44106701	Wong, D. (1996) Product Identity and Composition, Analysis and Certification of Product Ingredients, (and) Physical and Chemical Characteristics: GroundClear Vegetation Killer: Lab Project Number: 96009; CBI 96009; PCP96002. Unpublished study prepared by The Solaris Group of Monsanto Co. 51 p.
47382401	Baker, S. (2008) Product Chemistry Data for Prep-It: (LI 6242-12). Project Number: 08/989/01. Unpublished study prepared by Loveland Products, Inc. 15 p.
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62-3 Analytical Method

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147121	American Cyanamid Co. (1985) Product Chemistry: Additional Data for Full Registration of Arsenal Herbicide for Noncrop Uses. Unpublished compilation. 105 p.
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63-17 Storage stability

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81-1 Acute oral toxicity in rats

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81-4 Primary eye irritation in rabbits

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81-6 Dermal sensitization

MRID	Citation Reference
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82-2 21-day dermal-rabbit/rat

MRID	Citation Reference
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82-3 90-day dermal-rodent

MRID	Citation Reference
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MRID	Citation Reference
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MRID	Citation Reference
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MRID	Citation Reference
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MRID	Citation Reference
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MRID	Citation Reference
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MRID	Citation Reference
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141-1 Honey bee acute contact

MRID	Citation Reference
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MRID	Citation Reference
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Aqueous Media. Prepared by American Cyanamid Company. 19 p.

161-3 Photodegradation-soil

MRID	Citation Reference
40003713	Mangels, G. (1986) AC 243,997: Soil Photolysis: Lab. Rept. No. PD- M 23-39. Unpublished study prepared by American Cyanamid Co. 40 p.
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162-1 Aerobic soil metabolism

MRID	Citation Reference
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MRID	Citation Reference
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162-3 Anaerobic aquatic metab.

MRID	Citation Reference
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162-4 Aerobic aquatic metab.

MRID	Citation Reference
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163-1 Leach/adsorp/desorption

MRID	Citation Reference
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164-1 Terrestrial field dissipation

MRID	Citation Reference
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164-3 Forest field dissipation

MRID	Citation Reference
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93048042	Picard, G. (1990) American Cyanamid Company Phase 3 Summary of MRID 40003714 and Related MRIDs 40003704. Fate of ARSENAL Herbicide in Forest Watersheds after Aerial Application for Forest Weed Control. Prepared by U.S. Forest Service, Southern Forest Exper, Station. 28 p.

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MRID	Citation Reference
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830.1000 Background for product properties test guidelines

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MRID	Citation Reference
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830.1620 Description of production process

MRID	Citation Reference
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46663701	Gorban, I. (2005) Imazapyr 480 SL - Product Properties. Project Number: 90008045. Unpublished study prepared by Agan Chemical Manufacturers, Ltd. 78 p.
46663801	Gorban, I. (2005) Imazapyr 240 SL - Product Properties. Project Number: 90008044. Unpublished study prepared by Agan Chemical Manufacturers, Ltd. 78 p.
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830.1650 Description of formulation process

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830.1670 Discussion of formation of impurities

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830.1700 Preliminary analysis

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830.1750 Certified limits

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830.1800 Enforcement analytical method

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830.6302 Color

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830.6303 Physical state

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- 50334602 Aders, M. (2017) Physical and Chemical Characteristics of Glyphosate IPA 5% + Imazapyr IPA 0.08%: Final Report. Project Number: ARC/EX/2112, ARC/EX/2112/004/P/1, ARC/EX/2112/001/P. Unpublished study prepared by Analytical & Regulatory Chemistry, Inc. 20p.

830.6304 Odor

MRID	Citation Reference
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46547801	Roser, R. (2005) Product Specific Chemistry for EPA Reg. No. 239-2622. Project Number: SS/116. Unpublished study prepared by The Scotts Company. 6 p.
46635103	Kellogg, M. (2005) Waiver Request for Certain Data Requirements for Trooper 2 - VM (28.7%). Project Number: ET/200512. Unpublished study prepared by Etigra, LLC, c/o Pyxis Regulatory Consulting, Inc. 7 p.
46866103	Sathiyarayanan, S. (2006) DPX-A7586-008: Laboratory Study of Physical and Chemical Characteristics. Project Number: DUPONT/18462, 06051. Unpublished study prepared by International Institute of Biotechnology and Toxicology (IIBAT). 20 p.
46866503	Sathiyarayanan, S. (2006) DPX-A7586-007: Laboratory Study of Physical and Chemical Characteristics. Project Number: DUPONT/18460, 06049. Unpublished study prepared by International Institute of Biotechnology and Toxicology. 20 p.
47086702	Wo, C. (2006) NUP 4G 05: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction, Flammability, pH, Viscosity, and Density/Relative Density. Project Number: 20611, CTH/03/020, P801. Unpublished study prepared by Product Safety Laboratories. 17 p.
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- 47205802 Clemmer, R. (2007) Imazapyr 4F Herbicide: Self Certification of Physical/Chemical Properties. Project Number: UPI/2007/010. Unpublished study prepared by Jai Research Foundation. 9 p.
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- 47483201 Mendenhall, T. (2006) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction, pH, Specific Gravity, Flammability, Viscosity, Corrosion and Storage Stability: Season Long Grass and Weed Killer Concentrate S-11525 Product Chemistry S-11731 Storage Stability and Corrosion. Project Number: SS/116. Unpublished study prepared by The Scotts Company. 19 p.
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- 48496802 Johnson, L. (2011) NUP-10060 Product Chemistry Series B: Product Properties: Color, Physical State, Odor, Oxidation/Reduction: Chemical Incompatibility, pH, Viscosity, and Density. Project Number: ARC/EX/890/004/P/1. Unpublished study prepared by Analytical & Regulatory Chemistry, Inc. 14 p.
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- 50334602 Aders, M. (2017) Physical and Chemical Characteristics of Glyphosate IPA 5% + Imazapyr IPA 0.08%: Final Report. Project Number: ARC/EX/2112, ARC/EX/2112/004/P/1, ARC/EX/2112/001/P. Unpublished study prepared by Analytical & Regulatory Chemistry, Inc. 20p.

830.6313 Stability to normal and elevated temperatures, metals, and metal ions

MRID	Citation Reference
46635103	Kellogg, M. (2005) Waiver Request for Certain Data Requirements for Trooper 2 - VM (28.7%). Project Number: ET/200512. Unpublished study prepared by Etigra, LLC, c/o Pyxis Regulatory Consulting, Inc. 7 p.
48284503	Kellogg, M. (2010) Waiver Request for Certain Data Requirements for AmTide Imzapyr 2 SL. Project Number: AT/201004. Unpublished study prepared by AmTide, LLC. 7 p.
50334604	Kellogg, M. (2017) Waiver Request for Certain Data Requirements for RM43 RTU. Unpublished study prepared by Ragan and Massey, Inc. 7p.

830.6314 Oxidizing or reducing action

MRID	Citation Reference
46018801	Roser, R. (2003) Product Specific Chemistry for GroundClear RTU. Project Number: SS/102. Unpublished study prepared by The Scotts Company. 7 p.
46482002	McFarlane, J. (2005) Group B-Physical/Chemical Properties for GF-1248, A Liquid End Use Product Containing Glyphosate isopropyl ammonium and Imazapyr isopropyl ammonium salt. Project Number: NAFST/05/024. Unpublished study prepared by Dow AgroSciences, LLC. 5 p.
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47114402	Wo, C. (2006) NUP-06014: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction, Flammability, pH, Viscosity, and Density/Relative Density:

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- 47614002 Moore, T. (2008) Physical and Chemical Properties of EH-1468 Herbicide . Project Number: 2008/009. Unpublished study prepared by PBI/Gordon Corp. 26 p.
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- 50334602 Aders, M. (2017) Physical and Chemical Characteristics of Glyphosate IPA 5% + Imazapyr IPA 0.08%: Final Report. Project Number: ARC/EX/2112, ARC/EX/2112/004/P/1, ARC/EX/2112/001/P. Unpublished study prepared by Analytical & Regulatory Chemistry, Inc. 20p.

830.6315 Flammability

MRID	Citation Reference
46018801	Roser, R. (2003) Product Specific Chemistry for GroundClear RTU. Project Number: SS/102. Unpublished study prepared by The Scotts Company. 7 p.
46482002	McFarlane, J. (2005) Group B-Physical/Chemical Properties for GF-1248, A Liquid End Use Product Containing Glyphosate isopropyl ammonium and Imazapyr isopropyl ammonium salt. Project Number: NAFST/05/024. Unpublished study prepared by Dow AgroSciences, LLC. 5 p.
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- 47086702 Wo, C. (2006) NUP 4G 05: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction, Flammability, pH, Viscosity, and Density/Relative Density. Project Number: 20611, CTH/03/020, P801. Unpublished study prepared by Product Safety Laboratories. 17 p.
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- 47382402 Wo, C. (2008) Physical and Chemical Characteristics: Color, Physical State, Odor, Flammability, pH, Viscosity, and Density/ Relative Density: LI 6242-12 Prep-It. Project Number: 23501, P801, 071026/1D. Unpublished study prepared by Product Safety Laboratories. 16 p.
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- 47483201 Mendenhall, T. (2006) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction, pH, Specific Gravity, Flammability, Viscosity, Corrosion and Storage Stability: Season Long Grass and Weed Killer Concentrate S-11525 Product Chemistry S-11731 Storage Stability and Corrosion. Project Number: SS/116. Unpublished study prepared by The Scotts Company. 19 p.
- 47614002 Moore, T. (2008) Physical and Chemical Properties of EH-1468 Herbicide . Project Number: 2008/009. Unpublished study prepared by PBI/Gordon Corp. 26 p.
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- 50334604 Kellogg, M. (2017) Waiver Request for Certain Data Requirements for RM43 RTU. Unpublished study prepared by Ragan and Massey, Inc. 7p.

830.6316 Explodability

MRID	Citation Reference
46482002	McFarlane, J. (2005) Group B-Physical/Chemical Properties for GF-1248, A Liquid End Use Product Containing Glyphosate isopropyl ammonium and Imazapyr isopropyl ammonium salt. Project Number: NAFST/05/024. Unpublished study prepared by Dow AgroSciences, LLC. 5 p.
46635003	Kellogg, M. (2005) Waiver Request for Certain Data Requirements for Airborne 2E - Site Prep (27.6%). Project Number: ET/200510. Unpublished study prepared by: Etigra, LLC. 7 p.
46635103	Kellogg, M. (2005) Waiver Request for Certain Data Requirements for Trooper 2 - VM (28.7%). Project Number: ET/200512. Unpublished study prepared by Etigra, LLC, c/o

Pyxis Regulatory Consulting, Inc. 7 p.

- 46635304 Kellogg, M. (2005) Waiver Request for Certain Data Requirements for Ranger 4 - Forestry (53.1%). Project Number: ET/200511. Unpublished study prepared by Etigra, LLC. 7 p.
- 46775402 Woolley, A.; Mulle, D. (2005) Determination of Physico-Chemical Properties: AGN-CH01. Project Number: 008/587. Unpublished study prepared by Safepharm Laboratories Ltd. 22 p.
- 46866103 Sathiyarayanan, S. (2006) DPX-A7586-008: Laboratory Study of Physical and Chemical Characteristics. Project Number: DUPONT/18462, 06051. Unpublished study prepared by International Institute of Biotechnology and Toxicology (IIBAT). 20 p.
- 46866503 Sathiyarayanan, S. (2006) DPX-A7586-007: Laboratory Study of Physical and Chemical Characteristics. Project Number: DUPONT/18460, 06049. Unpublished study prepared by International Institute of Biotechnology and Toxicology. 20 p.
- 48284503 Kellogg, M. (2010) Waiver Request for Certain Data Requirements for AmTide Imzapyr 2 SL. Project Number: AT/201004. Unpublished study prepared by AmTide, LLC. 7 p.
- 48439601 Birk, J. (2006) BAS 693 28 H Forestry Herbicide: Summary of Physical/Chemical Properties: Bridging Request. Unpublished study prepared by BASF Corporation. 5 p.
- 49584903 Kellogg, M. (2015) Waiver Request for Certain Data Requirements for RM43 Total Vegetation Control. Project Number: RM/201502. Unpublished study prepared by Ragan and Massey, Inc. 7p.
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830.6317 Storage stability

MRID	Citation Reference
46635304	Kellogg, M. (2005) Waiver Request for Certain Data Requirements for Ranger 4 - Forestry (53.1%). Project Number: ET/200511. Unpublished study prepared by Etigra, LLC. 7 p.
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47190201	Ravi, P. (2007) DPX-A7586-007: Laboratory Study of Storage Stability and Corrosion Characteristics. Project Number: 06050, DUPONT/18461. Unpublished study prepared by International Institute of Biotechnology and Toxicology. 20 p.
47205802	Clemmer, R. (2007) Imazapyr 4F Herbicide: Self Certification of Physical/Chemical Properties. Project Number: UPI/2007/010. Unpublished study prepared by Jai Research Foundation. 9 p.
47365301	Wo, C. (2008) Storage Stability and Corrosion Characteristics: NUP 4G 05. Project Number: P800, 20610, 060907/7R. Unpublished study prepared by Product Safety Laboratories. 27 p.

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830.6319 Miscibility

MRID	Citation Reference
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830.6320 Corrosion characteristics

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830.6321 Dielectric breakdown voltage

MRID	Citation Reference
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830.7000 pH

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- 49825402 Schmansky, J. (2015) GroundClear S RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Density, Flammability, Viscosity, Corrosion and Storage Stability. Project Number: SS/353, S19444. Unpublished study prepared by The Scotts Company. 18p.
- 50079301 Schmansky, J. (2016) GroundClear Concentrate: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Specific Gravity, Flammability, Viscosity, Corrosion and Storage Stability. Project Number: SS/356. Unpublished study prepared by The Scotts Company. 18p.
- 50170701 Schmansky, J. (2017) GroundClear S RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Density, Flammability, Viscosity, Corrosion and Storage Stability. Project Number: SS/353. Unpublished study prepared by The Scotts Company, LLC. 18p.
- 50263501 Schmansky, J. (2017) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Density, Flammability, Viscosity, Corrosion and Storage Stability: GroundClear W RTU. Project Number: SS/352. Unpublished study prepared by The Scotts Company LLC. 18p.
- 50334602 Aders, M. (2017) Physical and Chemical Characteristics of Glyphosate IPA 5% + Imazapyr IPA 0.08%: Final Report. Project Number: ARC/EX/2112, ARC/EX/2112/004/P/1, ARC/EX/2112/001/P. Unpublished study prepared by Analytical & Regulatory Chemistry, Inc. 20p.

830.7050 UV/Visible absorption

MRID	Citation Reference
46635103	Kellogg, M. (2005) Waiver Request for Certain Data Requirements for Trooper 2 - VM (28.7%). Project Number: ET/200512. Unpublished study prepared by Etigra, LLC, c/o Pyxis Regulatory Consulting, Inc. 7 p.
48284503	Kellogg, M. (2010) Waiver Request for Certain Data Requirements for AmTide Imzapyr 2 SL. Project Number: AT/201004. Unpublished study prepared by AmTide, LLC. 7 p.
50334604	Kellogg, M. (2017) Waiver Request for Certain Data Requirements for RM43 RTU. Unpublished study prepared by Ragan and Massey, Inc. 7p.

830.7100 Viscosity

MRID	Citation Reference
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- 46018801 Roser, R. (2003) Product Specific Chemistry for GroundClear RTU. Project Number: SS/102. Unpublished study prepared by The Scotts Company. 7 p.
- 46482002 McFarlane, J. (2005) Group B-Physical/Chemical Properties for GF-1248, A Liquid End Use Product Containing Glyphosate isopropyl ammonium and Imazapyr isopropyl ammonium salt. Project Number: NAFST/05/024. Unpublished study prepared by Dow AgroSciences, LLC. 5 p.
- 46547801 Roser, R. (2005) Product Specific Chemistry for EPA Reg. No. 239-2622. Project Number: SS/116. Unpublished study prepared by The Scotts Company. 6 p.
- 46635002 Jian, Y. (2005) Chemical and Physical Characteristics of Airborne 2E-Site Prep (27.6%): Physical State, Oxidation/Reduction, pH, Viscosity, and Density. Project Number: NC/2005/006. Unpublished study prepared by Nutrichem Laboratory Co. Ltd. 19 p.
- 46635102 Jian, Y. (2005) Chemical and Physical Characteristics of Trooper 2-VM (28.7%): Physical State, Oxidation/Reduction, pH, Viscosity, and Density. Project Number: NC/2005/005. Unpublished study prepared by Nutrichem Laboratory Co. Ltd. 19 p.
- 46635302 Jian, Y. (2005) Chemical and Physical Characteristics of Ranger 4-Forestry (53.1S): Physical State, Oxidation/Reduction, pH, Viscosity, and Density. Project Number: NC/2005/004. Unpublished study prepared by Nutrichem Laboratory Co. Ltd. 19 p.
- 46635303 Yang, J. (2005) Chemical and Physical Characteristics of Ranger 4-Forestry (53.1B): Physical State, Oxidation/Reduction, pH, Viscosity, and Density. Project Number: NC/2005/010. Unpublished study prepared by Nutrichem Laboratory Co. Ltd. 30 p.
- 46663703 Woolley, A.; Mullee, D. (2005) Imazapyr 480SL: Determination of Physico-Chemical Properties. Project Number: 90007932, 008/579. Unpublished study prepared by Safepharm Laboratories Ltd. 22 p.
- 46663803 Woolley, A.; Mullee, D. (2005) Imazapyr 240 SL: Determination of Physico-Chemical Properties. Project Number: 90007931, 008/571. Unpublished study prepared by Safepharm Laboratories Ltd. 25 p.
- 46775402 Woolley, A.; Mulle, D. (2005) Determination of Physico-Chemical Properties: AGN-CH01. Project Number: 008/587. Unpublished study prepared by Safepharm Laboratories Ltd. 22 p.
- 46866103 Sathiyarayanan, S. (2006) DPX-A7586-008: Laboratory Study of Physical and Chemical Characteristics. Project Number: DUPONT/18462, 06051. Unpublished study prepared by International Institute of Biotechnology and Toxicology (IIBAT). 20 p.
- 46866503 Sathiyarayanan, S. (2006) DPX-A7586-007: Laboratory Study of Physical and Chemical Characteristics. Project Number: DUPONT/18460, 06049. Unpublished study prepared by International Institute of Biotechnology and Toxicology. 20 p.
- 47086702 Wo, C. (2006) NUP 4G 05: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction, Flammability, pH, Viscosity, and Density/Relative Density. Project Number: 20611, CTH/03/020, P801. Unpublished study prepared by Product Safety Laboratories. 17 p.
- 47114402 Wo, C. (2006) NUP-06014: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction, Flammability, pH, Viscosity, and Density/Relative Density: NUP 06014. Project Number: 20619, 060907/8R, P801. Unpublished study prepared by Eurofins/Product Safety Laboratories. 17 p.

- 47137002 Wo, C. (2007) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction, Flammability, pH, Viscosity, and Density/Relative Density: NUP 06013. Project Number: 21233, P801. Unpublished study prepared by Product Safety Laboratories. 16 p.
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- 47481901 Mendenhall, T. (2006) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction, pH, Specific Gravity, Flammability, Viscosity, Corrosion and Storage Stability: Ground Clear RTU S-10892. Project Number: SS/102. Unpublished study prepared by The Scotts Company. 18 p.
- 47483201 Mendenhall, T. (2006) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction, pH, Specific Gravity, Flammability, Viscosity, Corrosion and Storage Stability: Season Long Grass and Weed Killer Concentrate S-11525 Product Chemistry S-11731 Storage Stability and Corrosion. Project Number: SS/116. Unpublished study prepared by The Scotts Company. 19 p.
- 47614002 Moore, T. (2008) Physical and Chemical Properties of EH-1468 Herbicide . Project Number: 2008/009. Unpublished study prepared by PBI/Gordon Corp. 26 p.
- 47738702 Moore, T. (2009) Physical and Chemical Properties of EH-1472 Herbicide. Project Number: 2009/009. Unpublished study prepared by PBI/Gordon Corporation. 25 p.
- 48155302 Miller, R. (2009) Product Properties: Color, Physical State, Odor, Oxidation/Reduction: Chemical Incompatibility, pH, Viscosity, and Density. Project Number: ARC/EX/688/004/P/1. Unpublished study prepared by Analytical & Regulatory Chemistry, Inc. 13 p.
- 48284502 Johnson, L. (2010) Physical and Chemical Characteristics of Imazapyr 2SL: Final Report. Project Number: ARC/EX/779, ARC/EX/779/004/P/1. Unpublished study prepared by Analytical & Regulatory Chemistry, Inc. 11 p.
- 48309701 Yacoub, R. (2010) BAS 693 20 H, BAS 693 17 H and BAS 693 02 H: Determination of Physical/Chemical Properties: Final Report. Project Number: 356459, 2010/7013118. Unpublished study prepared by BASF Corporation. 12 p.
- 48439601 Birk, J. (2006) BAS 693 28 H Forestry Herbicide: Summary of Physical/Chemical Properties: Bridging Request. Unpublished study prepared by BASF Corporation. 5 p.
- 48482102 Johnson, L. (2011) NUP-10061 Product Chemistry Series B. Project Number: ARC/EX/892/004/P/1. Unpublished study prepared by Analytical & Regulatory Chemistry, Inc. 14 p.
- 48490602 Johnson, L. (2011) NUP-10062 Product Chemistry Series B. Project Number: ARC/EX/894/004/P/1. Unpublished study prepared by Analytical & Regulatory Chemistry, Inc. 14 p.
- 48496802 Johnson, L. (2011) NUP-10060 Product Chemistry Series B: Product Properties: Color,

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- 48602501 Wo, C. (2011) Prep-It Herbicide: Physical and Chemical Characteristics: Color, Physical State, Odor, Flammability, pH, Viscosity, and Density/Relative Density. Project Number: 32086, P801. Unpublished study prepared by Eurofins/Product Safety Laboratories. 16p.
- 49584902 Leopard, J. (2015) Final Report for: Physical and Chemical Characteristics of Glyphosate/Imazapyr SL. Project Number: ARC/EX/1550, ARC/EX/1550/004/P/1, ARC/EX/1550/001/P. Unpublished study prepared by Analytical & Regulatory Chemistry, Inc. 20p.
- 49811502 Schmansky, J. (2015) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Density, Flammability, Viscosity, Corrosion and Storage Stability. Project Number: SS/352. Unpublished study prepared by The Scotts Company. 23p.
- 49825402 Schmansky, J. (2015) GroundClear S RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Density, Flammability, Viscosity, Corrosion and Storage Stability. Project Number: SS/353, S19444. Unpublished study prepared by The Scotts Company. 18p.
- 50079301 Schmansky, J. (2016) GroundClear Concentrate: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Specific Gravity, Flammability, Viscosity, Corrosion and Storage Stability. Project Number: SS/356. Unpublished study prepared by The Scotts Company. 18p.
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- 50263501 Schmansky, J. (2017) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Density, Flammability, Viscosity, Corrosion and Storage Stability: GroundClear W RTU. Project Number: SS/352. Unpublished study prepared by The Scotts Company LLC. 18p.
- 50334602 Aders, M. (2017) Physical and Chemical Characteristics of Glyphosate IPA 5% + Imazapyr IPA 0.08%: Final Report. Project Number: ARC/EX/2112, ARC/EX/2112/004/P/1, ARC/EX/2112/001/P. Unpublished study prepared by Analytical & Regulatory Chemistry, Inc. 20p.

830.7200 Melting point/melting range

MRID	Citation Reference
46635103	Kellogg, M. (2005) Waiver Request for Certain Data Requirements for Trooper 2 - VM (28.7%). Project Number: ET/200512. Unpublished study prepared by Etigra, LLC, c/o Pyxis Regulatory Consulting, Inc. 7 p.
48284503	Kellogg, M. (2010) Waiver Request for Certain Data Requirements for AmTide Imzapyr 2 SL. Project Number: AT/201004. Unpublished study prepared by AmTide, LLC. 7 p.

- 50334604 Kellogg, M. (2017) Waiver Request for Certain Data Requirements for RM43 RTU. Unpublished study prepared by Ragan and Massey, Inc. 7p.

830.7220 Boiling point/boiling range

MRID	Citation Reference
46635103	Kellogg, M. (2005) Waiver Request for Certain Data Requirements for Trooper 2 - VM (28.7%). Project Number: ET/200512. Unpublished study prepared by Etigra, LLC, c/o Pyxis Regulatory Consulting, Inc. 7 p.
48284503	Kellogg, M. (2010) Waiver Request for Certain Data Requirements for AmTide Imzapyr 2 SL. Project Number: AT/201004. Unpublished study prepared by AmTide, LLC. 7 p.
50334604	Kellogg, M. (2017) Waiver Request for Certain Data Requirements for RM43 RTU. Unpublished study prepared by Ragan and Massey, Inc. 7p.

830.7300 Density/relative density

MRID	Citation Reference
46018801	Roser, R. (2003) Product Specific Chemistry for GroundClear RTU. Project Number: SS/102. Unpublished study prepared by The Scotts Company. 7 p.
46482002	McFarlane, J. (2005) Group B-Physical/Chemical Properties for GF-1248, A Liquid End Use Product Containing Glyphosate isopropyl ammonium and Imazapyr isopropyl ammonium salt. Project Number: NAFST/05/024. Unpublished study prepared by Dow AgroSciences, LLC. 5 p.
46547801	Roser, R. (2005) Product Specific Chemistry for EPA Reg. No. 239-2622. Project Number: SS/116. Unpublished study prepared by The Scotts Company. 6 p.
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46635102	Jian, Y. (2005) Chemical and Physical Characteristics of Trooper 2-VM (28.7%): Physical State, Oxidation/Reduction, pH, Viscosity, and Density. Project Number: NC/2005/005. Unpublished study prepared by Nutrichem Laboratory Co. Ltd. 19 p.
46635302	Jian, Y. (2005) Chemical and Physical Characteristics of Ranger 4-Forestry (53.1S): Physical State, Oxidation/Reduction, pH, Viscosity, and Density. Project Number: NC/2005/004. Unpublished study prepared by Nutrichem Laboratory Co. Ltd. 19 p.
46635303	Yang, J. (2005) Chemical and Physical Characteristics of Ranger 4-Forestry (53.1B): Physical State, Oxidation/Reduction, pH, Viscosity, and Density. Project Number: NC/2005/010. Unpublished study prepared by Nutrichem Laboratory Co. Ltd. 30 p.
46663703	Woolley, A.; Mullee, D. (2005) Imazapyr 480SL: Determination of Physico-Chemical Properties. Project Number: 90007932, 008/579. Unpublished study prepared by Safepharm Laboratories Ltd. 22 p.

- 46663803 Woolley, A.; Mullee, D. (2005) Imazapyr 240 SL: Determination of Physico-Chemical Properties. Project Number: 90007931, 008/571. Unpublished study prepared by Safepharm Laboratories Ltd. 25 p.
- 46775402 Woolley, A.; Mulle, D. (2005) Determination of Physico-Chemical Properties: AGN-CH01. Project Number: 008/587. Unpublished study prepared by Safepharm Laboratories Ltd. 22 p.
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- 47114402 Wo, C. (2006) NUP-06014: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction, Flammability, pH, Viscosity, and Density/Relative Density: NUP 06014. Project Number: 20619, 060907/8R, P801. Unpublished study prepared by Eurofins/Product Safety Laboratories. 17 p.
- 47137002 Wo, C. (2007) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction, Flammability, pH, Viscosity, and Density/Relative Density: NUP 06013. Project Number: 21233, P801. Unpublished study prepared by Product Safety Laboratories. 16 p.
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- 47481901 Mendenhall, T. (2006) Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction, pH, Specific Gravity, Flammability, Viscosity, Corrosion and Storage Stability: Ground Clear RTU S-10892. Project Number: SS/102. Unpublished study prepared by The Scotts Company. 18 p.
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- 48284502 Johnson, L. (2010) Physical and Chemical Characteristics of Imazapyr 2SL: Final Report. Project Number: ARC/EX/779, ARC/EX/779/004/P/1. Unpublished study prepared by Analytical & Regulatory Chemistry, Inc. 11 p.
- 48309701 Yacoub, R. (2010) BAS 693 20 H, BAS 693 17 H and BAS 693 02 H: Determination of Physical/Chemical Properties: Final Report. Project Number: 356459, 2010/7013118. Unpublished study prepared by BASF Corporation. 12 p.
- 48439601 Birk, J. (2006) BAS 693 28 H Forestry Herbicide: Summary of Physical/Chemical Properties: Bridging Request. Unpublished study prepared by BASF Corporation. 5 p.
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- 49584902 Leopard, J. (2015) Final Report for: Physical and Chemical Characteristics of Glyphosate/Imazapyr SL. Project Number: ARC/EX/1550, ARC/EX/1550/004/P/1, ARC/EX/1550/001/P. Unpublished study prepared by Analytical & Regulatory Chemistry, Inc. 20p.
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- 49825402 Schmansky, J. (2015) GroundClear S RTU: Physical and Chemical Characteristics: Color, Physical State, Odor, Oxidation/Reduction Potential, pH, Density, Flammability, Viscosity, Corrosion and Storage Stability. Project Number: SS/353, S19444. Unpublished study prepared by The Scotts Company. 18p.
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830.7370 Dissociation constants in water

MRID	Citation Reference
46635103	Kellogg, M. (2005) Waiver Request for Certain Data Requirements for Trooper 2 - VM (28.7%). Project Number: ET/200512. Unpublished study prepared by Etigra, LLC, c/o Pyxis Regulatory Consulting, Inc. 7 p.
48284503	Kellogg, M. (2010) Waiver Request for Certain Data Requirements for AmTide Imzapyr 2 SL. Project Number: AT/201004. Unpublished study prepared by AmTide, LLC. 7 p.
50334604	Kellogg, M. (2017) Waiver Request for Certain Data Requirements for RM43 RTU. Unpublished study prepared by Ragan and Massey, Inc. 7p.

830.7520 Particle size, fiber length, and diameter distribution

MRID	Citation Reference
48284503	Kellogg, M. (2010) Waiver Request for Certain Data Requirements for AmTide Imzapyr 2 SL. Project Number: AT/201004. Unpublished study prepared by AmTide, LLC. 7 p.
49584903	Kellogg, M. (2015) Waiver Request for Certain Data Requirements for RM43 Total Vegetation Control. Project Number: RM/201502. Unpublished study prepared by Ragan and Massey, Inc. 7p.
50334604	Kellogg, M. (2017) Waiver Request for Certain Data Requirements for RM43 RTU. Unpublished study prepared by Ragan and Massey, Inc. 7p.

830.7550 Partition coefficient (n-octanol/water), shake flask method

MRID	Citation Reference
46635103	Kellogg, M. (2005) Waiver Request for Certain Data Requirements for Trooper 2 - VM

(28.7%). Project Number: ET/200512. Unpublished study prepared by Etigra, LLC, c/o Pyxis Regulatory Consulting, Inc. 7 p.

48284503 Kellogg, M. (2010) Waiver Request for Certain Data Requirements for AmTide Imzapyr 2 SL. Project Number: AT/201004. Unpublished study prepared by AmTide, LLC. 7 p.

50334604 Kellogg, M. (2017) Waiver Request for Certain Data Requirements for RM43 RTU. Unpublished study prepared by Ragan and Massey, Inc. 7p.

830.7560 Partition coefficient (n-octanol/water), generator column method

MRID	Citation Reference
46635103	Kellogg, M. (2005) Waiver Request for Certain Data Requirements for Trooper 2 - VM (28.7%). Project Number: ET/200512. Unpublished study prepared by Etigra, LLC, c/o Pyxis Regulatory Consulting, Inc. 7 p.
48284503	Kellogg, M. (2010) Waiver Request for Certain Data Requirements for AmTide Imzapyr 2 SL. Project Number: AT/201004. Unpublished study prepared by AmTide, LLC. 7 p.
50334604	Kellogg, M. (2017) Waiver Request for Certain Data Requirements for RM43 RTU. Unpublished study prepared by Ragan and Massey, Inc. 7p.

830.7570 Partition coefficient (n-octanol/water), estimation by liquid chromatography

MRID	Citation Reference
46635103	Kellogg, M. (2005) Waiver Request for Certain Data Requirements for Trooper 2 - VM (28.7%). Project Number: ET/200512. Unpublished study prepared by Etigra, LLC, c/o Pyxis Regulatory Consulting, Inc. 7 p.
48284503	Kellogg, M. (2010) Waiver Request for Certain Data Requirements for AmTide Imzapyr 2 SL. Project Number: AT/201004. Unpublished study prepared by AmTide, LLC. 7 p.
50334604	Kellogg, M. (2017) Waiver Request for Certain Data Requirements for RM43 RTU. Unpublished study prepared by Ragan and Massey, Inc. 7p.

830.7840 Water solubility: Column elution method, shake flask method

MRID	Citation Reference
46635103	Kellogg, M. (2005) Waiver Request for Certain Data Requirements for Trooper 2 - VM (28.7%). Project Number: ET/200512. Unpublished study prepared by Etigra, LLC, c/o Pyxis Regulatory Consulting, Inc. 7 p.
48284503	Kellogg, M. (2010) Waiver Request for Certain Data Requirements for AmTide Imzapyr 2 SL. Project Number: AT/201004. Unpublished study prepared by AmTide, LLC. 7 p.

50334604 Kellogg, M. (2017) Waiver Request for Certain Data Requirements for RM43 RTU. Unpublished study prepared by Ragan and Massey, Inc. 7p.

830.7860 Water solubility, generator column method

MRID	Citation Reference
46635103	Kellogg, M. (2005) Waiver Request for Certain Data Requirements for Trooper 2 - VM (28.7%). Project Number: ET/200512. Unpublished study prepared by Etigra, LLC, c/o Pyxis Regulatory Consulting, Inc. 7 p.
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50334604	Kellogg, M. (2017) Waiver Request for Certain Data Requirements for RM43 RTU. Unpublished study prepared by Ragan and Massey, Inc. 7p.

830.7950 Vapor pressure

MRID	Citation Reference
46635103	Kellogg, M. (2005) Waiver Request for Certain Data Requirements for Trooper 2 - VM (28.7%). Project Number: ET/200512. Unpublished study prepared by Etigra, LLC, c/o Pyxis Regulatory Consulting, Inc. 7 p.
48284503	Kellogg, M. (2010) Waiver Request for Certain Data Requirements for AmTide Imzapyr 2 SL. Project Number: AT/201004. Unpublished study prepared by AmTide, LLC. 7 p.
50334604	Kellogg, M. (2017) Waiver Request for Certain Data Requirements for RM43 RTU. Unpublished study prepared by Ragan and Massey, Inc. 7p.

870.1000 Acute toxicity testing--background

MRID	Citation Reference
46775406	Sanders, A. (2005) Acute Eye Irritation in the Rabbit: Rotary 2 SL: AGN - CH01. Project Number: 008/593. Unpublished study prepared by Safepharm Laboratories Ltd. 18 p.

870.1100 Acute oral toxicity

MRID	Citation Reference
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870.1200 Acute dermal toxicity

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870.1300 Acute inhalation toxicity

MRID

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870.2400 Acute eye irritation

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870.2500 Acute dermal irritation

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870.2600 Skin sensitization

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